

# KAUFMAN & CANOLES

— | A Professional Corporation | —  
Attorneys and Counselors at Law

Mark A. Short  
757 / 873-6351

11817 Canon Boulevard  
Suite 408  
Newport News, VA 23606  
757 / 873-6300  
fax: 757 / 873-6359  
mashort@kaufcan.com

August 11, 2000

Mr. Walter C. Zaremba, Chairman  
Board of Supervisors  
County of York  
224 Ballard Street  
Yorktown, VA 23690

Re: Kiln Creek Associates, L.P. - Kiln Creek Center Sewer System  
Our Matter No. 60314

Dear Mr. Zaremba:

I am writing to you as counsel for Kiln Creek Associates, L.P. ("KCA"), which is the owner and developer of Kiln Creek Center located in York County. As per my discussions with Jim Barnett and as more particularly described below, KCA has experienced substantial problems with the sanitary sewer system located within Kiln Creek Center. I am accordingly providing you with this correspondence as notice of my client's claims pursuant to Virginia Code § 15.2-1248.

KCA developed Kiln Creek Center, a five building retail and office warehouse project, in 1987. The sanitary sewer design for the complex includes an 8" gravity sewer into which all five buildings discharge. This 8" sewer dumps into a pump station with two 7 1/2 horsepower sewer pumps, which force the sewage through a 3" force main running approximately one-half mile along Route 17 to a 10" York County gravity main.

By Deed of Easement dated November 5, 1987 and recorded in the Clerk's Office of the Circuit Court of York County on November 17, 1987 in Deed Book 502, page 767, a copy of which is attached as Exhibit A, KCA granted to York County permanent drainage and utility easements for the installation, maintenance, operation and repair of drainage facilities and of utility lines, pipes and facilities connected to the sewer system. In exchange for the conveyance of this easement by KCA, York County agreed that the 8" gravity main and the 3" force main would be public and maintained by York County and the pump station would be private and maintained by KCA.

KCA began experiencing problems with the pump station last year and was forced to replace a sewer pump in December, 1999 with an in-stock pump purchased in June, 1999. See Exhibit B-1. KCA's problems with the pump station continued into January, 2000 when it had to replace a second pump. See Exhibit B-2. KCA thereafter detected seepage from the force main immediately adjacent to the pump station and contracted with Jerit Electric, Plumbing Division to repair the force main. See Exhibits B-3 and B-4. Shortly after Jerit made the repairs and placed the pump

Chesapeake  
757 / 547-7177

Norfolk  
757 / 624-3000

Virginia Beach  
757 / 491-4000

Williamsburg  
757 / 229-7322

Mr. Walter C. Zaremba, Chairman

August 11, 2000

Page 2

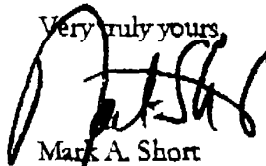
station on-line again, the force main ruptured and KCA was forced to contract with Advanced Septic and Sewer to perform a pump and haul operation during the period from January 19, 2000 through February 3, 2000. See Exhibit B-5.

KCA has determined that the reason for the failure of the sewer pumps and the force main was due to the increased usage of the 3" force main and York County's continued failure to maintain its sewer lines. The force main was approved by York County and designed to meet the needs of Kiln Creek Center only, and no allowance was made for future expansion of the sewer system. However, York County has allowed additional connections to the force main, resulting in its blockage and the consequential damage to the sewer pumps.

Because York County has failed to maintain the force main in accordance with its agreement with KCA, our client has suffered damages in the amount of \$28,499.00 in repairs and other work performed to the pump station and force main. A copy of an affidavit from our client attesting to the accuracy and payment of these repairs is attached as Exhibit C, and we are accordingly requesting full reimbursement for these damages.

If you have any questions regarding this claim, please feel free to give me a call. I appreciate your attention to this matter and look forward to hearing from you shortly.

Very truly yours,



Mark A. Short

MAS/igd

Enclosures

cc: Henry L. Thompson  
Paul W. Gerhardt, Esq.

# COUNTY OF YORK

## MEMORANDUM

DATE: August 31, 2000  
TO: File  
FROM: Jeff Dunn, Utilities Operation Superintendent  
SUBJECT: Kiln Creek sewer system claim

RECEIVED  
SEP 05 2000  
COUNTY ATTORNEY  
YORK COUNTY, VIRGINIA

On January 20, 2000, we were called out to Kiln Creek Shopping Center with a claim that our 3" force main was stopped up. As a general rule, force mains don't get stopped up due to the scouring effect and velocity of the sewer (2 ft per second). As pumps wear, and the efficiency decreases, solids could settle out and it was possible that the force main could be part way stopped up. On January 21, 2000, it was determined to try and blow out the force main with the jet rodder to the receiving manhole. At this time, we checked with Coxton's Body Shop and Apple's Auto Parts (who are also connected to the force main); they were not having any trouble getting into the force main. On our first attempt to blow out the entire force main, we blew apart their valve assembly at the pump station. When they replaced their cast iron discharge piping with SCH 40 PVC and compression fitting (sub standard), it would not hold against our jet rodder pressure. We then decided to cut in a 3" valve assembly before our first cleanout on the VDOT right-of-way. We also cut out the 3" 90 degree bend and replaced it with two 45 degree bends. Upon cutting the force main, we found the 90 degree bend almost completely blocked with grease. At this time, I asked the gentleman, (don't recall his name), who stated he maintained the pump station how they got rid of the grease that accumulated in the pump station. He stated that they used a chemical to dissolve the grease. I explained to him that they were using the wet well for a grease trap and they should have been removing the grease instead of pumping it to us and that they have stopped up the force main with the re-solidified grease (see attached letter from HRSD to Kiln Creek Associates dated 4/20/00 and their reply letter dated April 24, 2000).

On February 3, 2000 after installing the new 3" segregation valve we were able to blow out the force main which was full of sludge and grease. Their pump then began discharging into the manhole.

Please note section that states: "In accordance with Section 301A of HRSD's Industrial Wastewater Discharge Regulations, it is a violation to discharge any solid or viscous substances that may cause obstruction to wastewater flow in a sewerage system". Due to their illegal discharge over the years, we should be charging them for our expenses in cleaning the force main.

Attached are copies of all work orders relating to their force main.

JAD/hr  
Attachments



## HRSD

P. O. BOX 5902, VIRGINIA BEACH, VIRGINIA 23471-0902 • (757) 460-2261 FAX (757) 464-3985

April 20, 2000

### Certified Mail/Return Receipt P 146 824 022

#### Commissioners

William J. Hearing, Sr.  
Chair

Linda B. Grantham  
Vice-Chair

Edmund R. Goldsticker, CPA

J. Brewer Moore, AICP  
Jack O. Summs

James H. Shoemaker, Jr.

Joseph R. Ambrose, Jr.

Ethel M. Henry

D. R. Wheeler  
General Manager

Edward D. Romm, P.E.  
Director of Engineering

S. Craig Fenton, CPA  
Director of Finance  
& Administration

Keith W. Benson, P.E.  
Director of  
Interceptor Systems

G. David Waltrip, P.E.  
Director of Treatment

Guy M. Aydlott  
Director of Water Quality

#### Serving the Cities of

Chesapeake

Hampton

Newport News

Norfolk

Poquoson

Portsmouth

Suffolk

Virginia Beach

Williamsburg

#### Serving the Counties of

Gloucester

Isle of Wight

James City

York

Mr. Henry Thompson  
Kiln Creek Associates  
P. O. Box 5592  
Virginia Beach, VA 23455

Re: Kiln Creek Center, 1215 George Washington Highway, Grafton

Dear Mr. Thompson:

Recently York County utility officials contacted us concerning problems with high levels of food grease entering the force main system from the private pump station at the above facility. The grease caused a blockage, which was very costly to remove from the line.

We investigated several restaurants in Kiln Creek Center which are connected to the pump station and found that the most likely source of the grease was the County Grill restaurant (1215A.) At the time of the inspection one of the three internal grease traps was out of service. The internal grease traps appear to be severely undersized for the type of operation at the restaurant.

On April 19, 2000, a visual inspection of the pump station was performed. At that time the surface of the liquid in the station's wet well was covered with a thick layer of grease.

In accordance with Section 301 D. of HRSD's Industrial Wastewater Discharge Regulations (copy enclosed), it is a violation to discharge any solid or viscous substances that may cause obstruction to wastewater flow in a sewerage system.

**Within fifteen (15) days of receipt of this letter, you must take action to have the pump station grease removed before it causes further damage to the force main.**

**Within thirty (30) days of receipt of this letter, a written compliance schedule must be received in this office. This schedule must outline specific actions to be taken and associated time frames to insure that grease from the restaurants at 1215 George Washington Highway, no longer enters the sewer system.** Should you have any questions, please feel free to call Mr. Terry Moore or Mr. Ed Hartman of this office at (757) 874-6602 or Facsimile, (757) 464-3985.

Sincerely,

Ronald E. Johnson  
Chief of Industrial Waste

Enclosure

cc: Mr. Jeff Dunn, Utilities Operations Superintendent

PROVIDING WASTEWATER SERVICES TO PROTECT AND ENHANCE OUR ENVIRONMENT

P146 824 022

Kiln Creek Associates, L. P.

P. O. Box 5592  
Virginia Beach, Virginia 23471

Phone (804) 484-8032  
Fax (804) 363-8632

April 24, 2000

Mr. Ed Hartman  
HRSD  
P. O. Box 5902  
Virginia Beach, VA 23471-0902

Dear Ed,

*I eff. 5/3/00  
This is for your  
info. We'll keep an  
eye on their compliance.  
We'd also like to  
re-check grease traps  
in the K-Mart shopping  
center area on Friday.  
Please call Ed Hartman  
874-6602 (office)  
874-4969 (cell)*

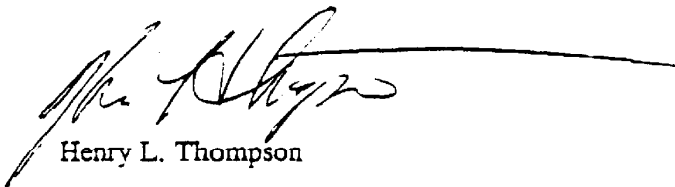
I am responding to your letter of April 20, 2000. With regard to the accumulation of grease in the lift station, I took the following actions about three years ago.

1. The cutoff float was raised about 18" to insure that grease floating on the water's surface would not enter the pumps.
2. A station cleaning schedule was established that includes a quarterly grease skim-off and an annual station cleaning
3. Forrest Sewer Pump Services, Inc. was retained to monitor the station on a weekly basis and to schedule the quarterly degreasing and annual cleaning.

With regard to the elimination of the sources of grease, I have written to the restaurant owners, copies enclosed, requesting that they take appropriate action. I will let you know when corrective action has been completed.

I may be reached at 464-6082 if you have any questions.

Sincerely,



Henry L. Thompson

**RECEIVED**  
APR 27 2000  
INDUSTRIAL WASTE DIV.  
H.R.S.D.

COPY TO  
IS IWD  
REQ, TRO

# Kiln Creek Associates, L. P.

P. O. Box 5592  
Virginia Beach, Virginia 23471

Phone (804) 464-6082  
Fax (804) 363-8632

April 24, 2000

Mr. Ron Smith  
Delicious Food, Inc. t/a The County Grill  
1215-A George Washington Memorial Highway  
Yorktown, VA 23693

Dear Ron,

I received a certified letter dated April 20, 2000 from the Hampton Roads Sanitation District concerning the discharge of grease from the Kiln Creek Shopping Center into the public sewerage system. As stated in their letter, "In accordance with section 301D/301G of HRSD's Industrial Wastewater Discharge Regulations, it is a violation to discharge **any** solid or viscous substances, [animal or vegetable based oils, fats, or greases], that may cause obstruction to wastewater flow in a sewerage system.

They are requiring that a plan be developed to insure that grease from the restaurants at Kiln Creek Center no longer enters the public sewer system. One possible solution would be to contract with an independent "grease trap maintenance contractor" to do the grease trap cleaning on a daily basis. One such contractor is Advanced Septic & Sewer, 505 Building "F" Seaford Road, Seaford, VA 23696 Telephone 757.872.4792. Another possible solution would be to install "automatic grease traps" that continuously transfers accumulated grease to an approved container. One such automatic system is The Big Dipper 646 Greensboro Street, Asheboro, North Carolina 27203 Telephone: 336.629.4651 or Toll Free: 800.633.4204

I am sure that there are other solutions that would be acceptable. Please feel free to call Mr. Ed Hartman at HRSD (757) 464-3985 to discuss your proposed solutions. Please let me know within 10 days of your proposed solutions so that I can prepare a formal response to the HRSD certified letter.

Ron, I believe that this matter is serious enough that it deserves your personal attention until it is resolved and I thank you in advance for resolving this problem.

If you have any questions concerning this matter please call me at 464-6082.

Sincerely,

Henry L. Thompson

cc: Mr. Ed Hartman

**RECEIVED**  
APR 27 2000  
INDUSTRIAL WASTE DIV.  
H.R.S.D.

# Kiln Creek Associates, L. P.

P. O. Box 5592  
Virginia Beach, Virginia 23471

Phone (804) 464-6032  
Fax (804) 363-8632

April 24, 2000

Ms. Marina T. Lin  
Spring Garden, Inc. t/a Spring Garden Restaurant  
1215-X George Washington Memorial Highway  
Yorktown, VA 23693

Dear Marina,

I received a certified letter dated April 20, 2000 from the Hampton Roads Sanitation District concerning the discharge of grease from the Kiln Creek Shopping Center into the public sewerage system. As stated in their letter, "In accordance with section 301D of HRSD's Industrial Wastewater Discharge Regulations, it is a violation to discharge **any** solid or viscous substances that may cause obstruction to wastewater flow in a sewerage system.

They are requiring that I develop a plan to insure that grease from the restaurants at Kiln Creek Center no longer enters the public sewer system. I spoke with Mr. Ed Hartman at HRSD and he stated that when he inspected your restaurant, that your grease traps were clean and appeared to be well maintained. I want to thank you for your past efforts to prevent grease from entering the sewer system and keep up the good work.

If you have any questions concerning this matter please call me at 464-6082.

Sincerely,

Henry L. Thompson

cc: Mr. Ed Hartman

**RECEIVED**  
**APR 27 2000**  
INDUSTRIAL WASTE DIV  
H.R.S.D



Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division,  
(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:53 AM

Submitted By

Page 1

Work Order # 200000920

Activity

FI

FIELD INVESTIGATION

Misc ID FORCEMAIN

Description FORCE MAIN

Qualifier

Area

Sub-area

Map #

District

Location

Misc Type

Surface

Material

Model #

Serial #

Weight 0.00

Elevation 0.00

Owner

Parcel

X Coord

Y Coord

Z Coord

Budget #

Color

Condition

Manufacturer

Length 0.00

Width 0.00

Depth 0.00

Height 0.00

Diameter 0.00

Avg Monthly Usage 0.00

Total Usage 0.00

Service Status

Complex

Site ID

As Built

Date Installed

Initiated By EMC

IONS

EMERGENCY COMMUNICATIONS

Initiated Date 01/20/2000

Scheduled

Assigned To

Service #

Due

Authorization

Budget #

Crew

Maint Type

Priority

Problem

Project

Source

Last Activity LS

LANDSCAPING MAINTENANCE

Out of Service

Potential Service Request

Last Activity Completed 05/30/2000

## Work Order Comments

HAD TO MEET JOHN FORREST ABOUT PRIVATE PUMP STATION AT KILN CREEK CENTER. HE HAD INSTALLED NEW PUMPS AND COULD NOT GET IN FORCE MAIN.

Task FIELD INVESTIGATION

Equipment Choose Crew Equipment Type or ID

Charge Date Time Crew Equipment Type Equipment ID

Total Usage Usage

Labor Choose Crew Type Crew ID or Job Class

Charge Date Time Crew Type Crew ID Job Class Employee ID

Hours Worked





Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division,

(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:53 AM

Submitted By

Page 2

Work Order # 200000920

Activity

FI

FIELD INVESTIGATION

Labor		Choose Crew Type, Crew ID or Job Class					
Charge Date	Time	Crew Type	Crew ID	Job Class	Employee ID	Pay Type	Hours Worked

Vehicle		Choose Crew, Vehicle Type or ID					
Charge Date	Time	Crew	Vehicle Type	Vehicle ID	Total Usage	Usage	

Comments

Started		Completed					
Date	Time	By		Date	Time	Hours	
		509		01/20/2000	20:00	4.50	

Result	Condition	Quantity	Unit of Meas
--------	-----------	----------	--------------

Data Group	Sign-off
------------	----------



Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division,  
(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:54 AM

Submitted By

Page 1

Work Order # 200000926

Activity

FI

FIELD INVESTIGATION

Misc ID FORCEMAIN

Description FORCE MAIN

Qualifier

Area

Sub-area

Map #

District

Location

Misc Type

Surface

Material

Model #

Serial #

Weight 0.00

Elevation 0.00

Owner

Parcel

X Coord

Y Coord

Z Coord

Budget #

Color

Condition

Manufacturer

Length 0.00

Width 0.00

Depth 0.00

Height 0.00

Diameter 0.00

Avg Monthly Usage 0.00

Total Usage 0.00

Service Status

Complex

Site ID

As Built

Date Installed

Initiated By 918

CATHY

GARDNER

Initiated Date 01/21/2000

Scheduled

Assigned To

Service #

Due

Authorization

Budget #

Crew

Maint Type

Priority

Problem

Project

Source

Last Activity LS

LANDSCAPING MAINTENANCE

Out of Service

Potential Service Request

Last Activity Completed 05/30/2000

## Work Order Comments

NEED TO INVESTIGATE PROBLEMS WITH FORCE MAIN AT KILN CREEK CENTER AND ALONG ROUTE 17. KILN CREEK CENTER PUMPING STATION IS NOT ABLE TO PUMP INTO FORCE MAIN OR TO THE SECOND BLOW OFF ON ROUTE 17. Hooked jet rodder to stand pipe of blow off, second one on Route 17. Pumped water into the line. No water showing at the first blow off. Water was flowing into Manhole #019915X (receiving manhole) per Jeff Dunn. Moved from second blow off to the first blow off intersection of Route 17 and Commerce Circle. Hooked to stand pipe and pumped water. Water started flowing from second blow off on Route 17. Shut valve off. Then had to turn off the jet rodder. Shortly after blow off valve was shut, piping at the station busted. Turned valve (in-line) off at the station. Turned jet rodder back on and started pumping water into force main. Water was flowing out from second blow off for about 5 minutes.

Task FIELD INVESTIGATION

Equipment	Charge Date	Time	Crew	Choose Crew, Equipment Type or ID	Equipment Type	Equipment ID	Total Usage	Usage
-----------	-------------	------	------	-----------------------------------	----------------	--------------	-------------	-------



Inspection Request Line: 890-3910  
Building Regulation Office: 890-3522  
Utilities Division,  
(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:53 AM

Submitted By

Page 2

Work Order # 200000920

Activity

FI

FIELD INVESTIGATION

Labor		Choose Crew Type, Crew ID or Job Class					
Charge Date	Time	Crew Type	Crew ID	Job Class	Employee ID	Pay Type	Hours Worked

Vehicle		Choose Crew, Vehicle Type or ID				
Charge Date	Time	Crew	Vehicle Type	Vehicle ID	Total Usage	Usage

Comments

Started		Completed			
Date	Time	By	Date	Time	Hours
		509	01/20/2000	20:00	4.50

Result	Condition	Quantity	Unit of Meas
--------	-----------	----------	--------------

Data Group	Sign-off
------------	----------



Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division.

(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:54 AM

Submitted By

Page 1

Work Order # 200000927

Activity

FI

FIELD INVESTIGATION

Misc ID FORCEMAIN

Description FORCE MAIN

Qualifier

Area

Sub-area

Map #

District

Location

Misc Type

Surface

Material

Model #

Serial #

Weight 0.00

Elevation 0.00

Owner

Parcel

X Coord

Y Coord

Z Coord

Budget #

Color

Condition

Manufacturer

Length 0.00

Width 0.00

Depth 0.00

Height 0.00

Diameter 0.00

Avg Monthly Usage 0.00

Total Usage 0.00

Service Status

Complex

Site ID

As Built

Date Installed

Initiated By 918

CATHY

GARDNER

Initiated Date 01/24/2000

Scheduled

Assigned To

Service #

Due

Authorization

Budget #

Crew

Maint Type

Priority

Problem

Project

Source

Last Activity LS

LANDSCAPING MAINTENANCE

Out of Service

Potential Service Request

Last Activity Completed 05/30/2000

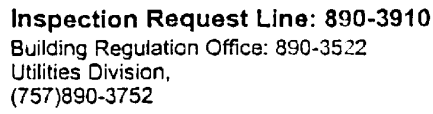
## Work Order Comments

INVESTIGATE PROBLEMS WITH FORCE MAIN KILN CREEK CENTER AND ROUTE 17. KILN CREEK CENTER PUMPING STATION NOT PUMPING.

Started with a meeting at the pump station - Kiln Creek Center. Plumber installed gate valve (in-line) at the station. Had to wait for about 30 minutes for glue to dry. Hooked jet rodder to first blow off (intersection of Route 17 and Commerce Circle). Pumped water into force main. Shortly after jet rodder was turned on, the second blow off had water flowing out. Shut valve off. Then found third blow off on Route 17 had water flowing out also. Shut valve. Shortly after valve at the station kicked off the piping. Located blow offs 4 and 5 along Route 17. Had to wait for plumber to re-pipe the plumbing at the station. Once plumbing was completed, moved to blow off #4 and then pumps turned on. Ran for about 30 seconds. Then pumps turned off. Hooked jet rodder to blow off #5 and pumped water to the pumping station and receiving manhole #019915X. Heavy flow at both sites.

Task FIELD INVESTIGATION

Equipment	Choose Crew	Equipment Type or ID	Charge Date	Time	Crew	Equipment Type	Equipment ID	Field Usage	Location
-----------	-------------	----------------------	-------------	------	------	----------------	--------------	-------------	----------



<b>Started:</b>		<b>Completed:</b>					
<b>Date:</b>	<b>Time:</b>	<b>By:</b>	510	<b>Date:</b>	01/24/2000	<b>Time:</b>	15:30
				<b>Hours:</b>	30.00		
<b>Result:</b>		<b>Condition:</b>		<b>Quantity:</b>		<b>Unit of Meas:</b>	
<b>Date Group:</b>		<b>Sign-off:</b>					



Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division,  
(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:53 AM

Submitted By

Page 1

Work Order # 200000953

Activity

RFM

REPAIR FORCE MAIN

Misc ID FORCEMAIN

Description FORCE MAIN

Qualifier

Area

Sub-area

Map #

District

Location

Misc Type

Surface

Material

Model #

Serial #

Weight 0.00

Elevation 0.00

Owner

Parcel

X Coord

Y Coord

Z Coord

Budget #

Color

Condition

Manufacturer

Length 0.00

Width 0.00

Depth 0.00

Height 0.00

Diameter 0.00

Avg Monthly Usage 0.00

Total Usage 0.00

Service Status

Complex

Site ID

As Built

Date Installed

Initiated By 918

CATHY

GARDNER

Initiated Date 01/31/2000

Scheduled

Assigned To

Service #

Due

Authorization

Budget #

Crew

Maint Type

Priority

Problem

Project

Source

Last Activity LS

LANDSCAPING MAINTENANCE

Out of Service

Potential Service Request

Last Activity Completed 05/30/2000

## Work Order Comments

NEED TO INSTALL GATE VALVE. REPLACE 90 DEGREE BEND WITH 45 DEGREE BENDS. ALSO TURN THE BLOW OFF WYE AND VALVE IN THE DIRECTION OF FLOW. KILN CREEK CENTER PUMP STATION NOT PUMPING INTO FORCE MAIN.

1-31-00 Started hand digging at the stand pipe for blow off, exposed bottom of the blow off stand pipe, valve and wye before the utilities were marked. Once utilities were marked, used backhoe to complete the excavation. Material was not available for pickup on this date.

2-3-00 Picked up material from supply house. Started by removing the blow off piping and 90 degree bend from trench. Installed a gate valve (in-line), and then placed wye and blow off piping in the direction of flow. Installed two 45 degree bends where 90 degree bend made the turn in the force main near the first blow off. After this was completed hooked jet rodder to first blow off, pumped three tanks of water into force main. Heavy grease and black septic sludge was discharged into Manhole #019915X from force main when using jet rodder. Turn pumps back from force main when using jet rodder. Turn pumps back on at the station. Pumps begin discharging through the force main.

2-4-00 Installed a kicker block behind the stand pipe of blow off wye and valve. Raised valve boxes to ground level. Backfilled trench, re-installed road sign. Topsoil at later date.

1 ea. 3" gate valve (resilient wedge)

2 ea. 3" 45 degree bends (cast iron)

1 ea. 3" sleeve cast iron

11 ea. 3" MJ Gaskets

11 ea. 3" MJ Glands



Inspection Request Line: 890-3910  
Building Regulation Office: 890-3522  
Utilities Division.  
(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:53 AM

Submitted By

Page 2

Work Order # 200000953

Activity

RFM

REPAIR FORCE MAIN

Task RFM REPAIR FORCE MAIN

Equipment	Choose Crew	Equipment Type or ID		
Charge Date	Time	Crew	Equipment Type	Equipment ID

Total Usage Usage

Labor	Choose Crew Type	Crew ID or Job Class		
Charge Date	Time	Crew Type	Crew ID	Job Class

Employee ID

Pay Type Hours Worked

Vehicle	Choose Crew	Vehicle Type or ID		
Charge Date	Time	Crew	Vehicle Type	Vehicle ID

Total Usage Usage

Comments

Started	Completed						
Date	Time	By	510	Date	02/04/2000	Time	15:30

85.50

Result	Condition	Quantity	Unit of Measure
--------	-----------	----------	-----------------

Data Group	Sign-off
------------	----------



Inspection Request Line: 890-3970

Building Regulation Office: 890-3522

Utilities Division,

(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:54 AM

Submitted By

Page 1

Work Order # 200000952

Activity

FMM

FORCE MAIN MAINTENANCE

Misc ID FORCEMAIN

Description FORCE MAIN

Qualifier

Area

Sub-area

Map #

District

Location

Misc Type

Surface

Material

Model #

Serial #

Weight 0.00

Elevation 0.00

Owner

Parcel

X Coord

Y Coord

Z Coord

Budget #

Color

Condition

Manufacturer

Length 0.00

Width 0.00

Depth 0.00

Height 0.00

Diameter 0.00

Avg Monthly Usage 0.00

Total Usage 0.00

Service Status

Complex

Site ID

As Built

Date Installed

Initiated By 918

CATHY

GARDNER

Initiated Date 02/07/2000

Scheduled

Assigned To

Service #

Due

Authorization

Budget #

Crew

Maint Type

Priority

Problem

Project

Source

Last Activity LS

LANDSCAPING MAINTENANCE

Out of Service

Potential Service Request

Last Activity Completed 05/30/2000

## Work Order Comments

LOCATE BLOWOFFS.

Located remaining 5 blow offs on the force main along Route 17 for the Kiln Creek Shoppes.

Equipment	Charge Date	Time	Crew	Equipment Type	Equipment ID	Total Usage	Usage

Charge Date	Time	Crew	Equipment Type	Equipment ID	Total Usage	Usage





Inspection Request Line: 890-3910  
Building Regulation Office: 890-3522  
Utilities Division,  
(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:54 AM

Submitted By

Page 2

Work Order # 200000952

Activity

FMM

FORCE MAIN MAINTENANCE

Vehicle	Choose Crew	Vehicle Type or ID	Charge Date	Time	Crew	Vehicle Type	Vehicle ID	Total Usage	Usage

Comments

Started	Completed	Date	Time	By	Date	Time	Hours
				514B	02/07/2000	15:30	6.00

Result	Condition	Quantity	Unit of Meas
--------	-----------	----------	--------------

Data Group Sign-off



Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division.

(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:55 AM

Submitted By

Page 1

Work Order # 200004892

Activity

LS

LANDSCAPING MAINTENANCE

Misc ID FORCEMAIN

Description FORCE MAIN

Qualifier

Area

Sub-area

Map #

District

Location

Misc Type

Surface

Material

Model #

Serial #

Weight 0.00

Elevation 0.00

Owner

Parcel

X Coord

Y Coord

Z Coord

Budget #

Color

Condition

Manufacturer

Length 0.00

Width 0.00

Depth 0.00

Height 0.00

Diameter 0.00

Avg Monthly Usage 0.00

Total Usage 0.00

Service Status

Complex

Site ID

As Built

Date Installed

Initiated By 918

CATHY

GARDNER

Initiated Date 05/30/2000

Scheduled

Assigned To

Service #

Due

Authorization

Budget #

Crew

Maint Type

Priority

Problem

Project

Source

Last Activity LS

LANDSCAPING MAINTENANCE

Out of Service

Potential Service Request

Last Activity Completed 05/30/2000

### Work Order Comments

LANDSCAPE AREA WHERE FORCE MAIN VALVE AND THE 45 DEGREE BENDS WERE INSTALLED. (Kiln Creek Shopping Center)

Added topsoil to the area - intersection of Commerce Circle and Route 17.

1/2 yard of topsoil.

Task LS LANDSCAPING MAINTENANCE

Equipment Charge Date Unit Cost Equip. Type Equip. ID Total Usage

Labor Charge Date Unit Cost Equip. Type Equip. ID Pay Type Hours Worked



Inspection Request Line: 890-3910

Building Regulation Office: 890-3522

Utilities Division,

(757)890-3752

## Plant Miscellaneous Work Order

Report Date 08/30/2000 08:55 AM

Submitted By

Page 2

Work Order # 200004892

Activity

LS

LANDSCAPING MAINTENANCE

Labor		Choose Crew Type, Crew ID or Job Class					
Charge Date	Time	Crew Type	Crew ID	Job Class	Employee ID	Pay Type	Hours Worked

Vehicle		Choose Crew, Vehicle Type or ID					
Charge Date	Time	Crew	Vehicle Type	Vehicle ID	Total Usage	Usage	

Comments

Started		Completed					
Date	Time	By		Date	Time	Hours	
		512		05/30/2000	15:30	2.00	

Result	Condition	Quantity	Unit of Meas
--------	-----------	----------	--------------

Data Group	Sign-off
------------	----------